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I claim:

A wireless communication system, comprising

a repeated pattern of cells, each cell having a base

a user station:

wherein base station transmitters and user station transmitters in a celllare assigned a spread-spectrum code for modulating radio communication in that cell;

whereby radio signals used in that cell are spread across a bandwidth sufficiently wide that both base station receivers and user station receivers in an adjacent cell may distinguish communication which originates in one cell from another; and

whereby said codes are each reused in a plurality of cells.

- A wireless communication system as in claim 1, wherein said repeated pattern comprises a three-dimensional configuration.
- A wireless communication system as in claim 1, 3. wherein said repeated pattern comprises the pattern shown in figure 1.

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- A will ess communication system in claim 1, wherein said user station transmitter's emit data communication messages which include station ident/ification information.
- A wireless communication system as in claim 1, 5. wherein said codes are assigned dynamically for each cell.
- A wireless communication system as in claim 1, wherein said codes are assigned dynamically for each cell by each of a plurality of independent /communication systems, after accounting for use by other systems.
- A wireless  $\phi$  mmunication system as in claim 6, 7. wherein said use is concurrent use.
- Anwireless communication system as in claim 6, 8. wherein said use is prior use.
- A wireless communication system as in claim 1, wherein said codes comprise a set of codes with minimal crosscorrelation attribute.
- A wi/reless communication system as in claim 1, wherein /said codes comprise a limited number of predetermined codes; and
- wherein said cells are arranged in a repeated pattern of three cells.

4.

	11.	A. W1_	less	communi	cation	system	àś	in	claim	10,
wherein	said	limited	numbe	r is th	ree.					

- 12. A wireless communication system as in claim 10, further comprising time division and frequency division.
- 13. A wireless communication system as in claim 12, wherein a plurality of frequencies are assigned dynamically.
- 14. A wireless communication system as in claim 12, wherein a plurality of frequencies are assigned dynamically by each of a plurality of independent communication systems, after accounting for use by other systems.
- 15. A wireless communication system as in claim 14, wherein said use is concurrent use.
- 16. A wireless communication system as in claim 14, wherein said use is prior use.

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